Information Assurance Technology Analysis Center (IATAC) Helps United States Strategic Command (USSTRATCOM) Develop Its User Defined Operational Picture (UDOP)

The team at the Information Assurance Technology Analysis Center (IATAC) has enabled the United States Strategic Command (USSTRATCOM) to integrate new, worldwide missions into the Global C4 Control Center (GCCC). The Omaha team identified requirements for displaying and reporting the status of critical USSTRATCOM systems and compared User Defined Operational Pictures (UDOPs) from other commands and those of the Defense Information Systems Agency (DISA). They conducted a site survey to determine tools and licenses currently available within USSTRATCOM and used this insight, along with findings from the Tools and Analysis Report, to provide a road map for developing a USSTRATCOM UDOP.

Continued on Story 1

Information Assurance Technology Analysis Center (IATAC) Provides Technical Support to DoD and Federal Government Organizations Across the World

During the past year, the Information Assurance Technology Analysis Center (IATAC) has provided technical support to the U.S. Department of Defense (DoD) and Federal government organizations across the world.

Support of Operational Iraqi Freedom

IATAC has supported the United States Strategic Command (USSTRATCOM) and the Defense Information Systems Agency (DISA) through a number of Technical Area Tasks (TATs):

- Under IATAC TAT 01-48 (POC: COL Jim Karr), IATAC is providing Information Operations and Information Assurance support to Joint Task Force-Computer Network Operations (JTF-CNO) in the J2, J3, and J5.
- Under IATAC TAT 02-09 (POC: Alvin Wallace), IATAC is supporting computer-network intrusion analysis directly related to anti-US activities caused by the war.
- Under IATAC TAT 98-03 (POC: Willie German), IATAC fulfilled important operational requirements:

1. Monitoring the performance of the Global Positioning System (GPS) satellite constellation and supporting troops in the field with informa tion on the integration of GPS data into "smart" weapons systems.
2. Assisting the Blue Force Tracking Mission Management Center at Army Space Command in providing battlefield-situation awareness for US commanders.
3. Providing Subject Matter Expert (SME) support on theater missile- warning architectures and how to deliver time-critical warning data to troops in the field.

Continued on Story 2

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Information Assurance Technology Analysis Center (IATAC) Provides Technical Support to DoD and Federal Government Organizations Across the World (continued)

Support to the Global War on Terrorism

• Under IATAC TAT 02-54 (POC: CAPT Stu Yapp), IATAC created a long-term asymmetric and strategic threat analysis to the United States Northern Command (USNORTHCOM) and continues to provide subject-matter support on traditional and asymmetric threats to the USNORTHCOM Commander's daily intelligence brief.

IATAC also plays a critical role in facilitating international Computer Network Defense (CND) conferences with US allies and coalition partners.

• Under TAT 02-14 (POC: Gary Guissanie), IATAC has planned, resourced, and facilitated a number of workshops and conferences with US coalition partners. These meetings have resulted in a refinement of the way the JTF-CNO coordinates international security incidents with US allies.

Support of the Federal Government

• Under TAT 01-53 (POC: Michael Jinkins), IATAC has facilitated conferences and meetings for the Federal Public Key Infrastructure (PKI) Policy Working Group, sponsored by the U.S. Department of the Treasury. These meetings have furthered the Federal government's progress in implementing PKI as a key enabler of secure e-Government initiatives.

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Information Assurance Technology Analysis Center (IATAC) Helps United States Strategic Command (USSTRATCOM) Develop Its User Defined Operational Picture (UDOP) (continued)

In 2002, USSTRATCOM was given the new missions of Global Strike, Global Missile Defense, Information Operations, and aspects of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR). Successful execution of USSTRATCOM's assigned missions required the ability to continually monitor C4 system and network readiness, translate C4 events into an assessment of operational impact, determine remedial courses of action, and coordinate the implementation of appropriate alternatives. USSTRATCOM established its GCCC to meet these requirements.

From the beginning, the GCCC vision was to provide accurate, real-time systems and network management, as well as systems and network protection to ensure timely information dissemination and protect USSTRATCOM's ability to achieve and maintain information superiority in support of assigned missions. The GCCC was designed to oversee, assess, coordinate, integrate, and recommend actions based on networks and systems availability. This near-real-time environment is used by USSTRATCOM mission-planning and decision-making staffs 24 hours a day, 365 days a year to ensure situational awareness of critical C4 information networks and to analyze the mission impact of any systems outages or degradations.

To support this mission, IATAC developed the GCCC Charter, Concept of Operations, Implementation Plan, Training Plan, Standardization/Evaluation Program, and a playbook of operational checklists used by every watch stander. Coupled with this, they mapped the Commander's Critical Information Requirements (CCIRs) and the Joint Information Exchange Requirements (JIERs) and developed a network topology for critical USSTRATCOM systems. The team provided on-site expertise in Enterprise Services/Network Management, Information Assurance and Computer Network Defense, and Content Staging/Information Dissemination Management, the three Network Operations (NetOps) mission areas. NetOps is the operational construct that the Commander, USSTRATCOM, will use to operate and defend the Global Information Grid.

Recently, element management and operational oversight of the Ballistic Missile Defense System (BMDS) communications network was added to the tasks of the GCCC Support Team. This new mission area has added considerable research, planning, coordinating, and document writing to the lists of IATAC's "Things to Do." The team was required to "go from zero to sixty" in a matter of two weeks time and still maintains that pace. They drafted input to the BMDS Enabling Concept, BMDS Contingency Plan, and C4 event-reporting procedures directives. They developed a network topology and critical-system thread analysis for this new mission, providing key system information to the GCCC watch team.

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